**TABLE H.2.1–12.—*Low-Level, Mixed Low-Level, and Hazardous Waste Treatment Capability at K-25 Site***

| Treatment Unit | Treatment Method(s) | Input Capability | Output Capability | Total Capacity ($m^3$/yr) | Comment |
|---|---|---|---|---|---|
| Central Neutralization Facility (K-1407H) | Clarification, thickening, and neutralization | Liquid LLW, mixed LLW, and hazardous waste | Liquid effluent through NPDES outfall and sludge to hazardous waste storage unit | 221,000 | RCRA permit-by-rule, NPDES permit. Permitted capacity. Normal operation capacity is 111,000 $m^3$/yr. |
| Liquid Pretreatment Facility | Neutralization, precipitation, liquid separation, and chemical oxidation/reduction | Liquid aqueous and organic mixed wastes. | Effluent to existing wastewater facilities or TSCA incinerator | Planned | Batch process |
| Sludge Fixation Facility (Bldg. K-1419) | Screening, solidification/stabilization, centrifuging, and neutralization | Mixed waste sludges and solids | Liquid effluent to Central Neutralization Facility. Solidified container stored at Concrete Block Casting and Storage Yard (Bldg. K-1417) | 2.5 $m^3$/hr | Design feedrate RCRA permit submitted May 18, 1989. Facility on stand by. |
| TSCA Incinerator (K-1435) | Incineration (rotary kiln) | Liquid and solid - mixed LLW, LLW and mixed LLW contaminated with PCBs | Ash (solid mixed LLW and hazardous) to hazardous waste storage unit, WSU-012, ash water and blowdown water (mixed LLW and hazardous) to central neutralization facility, and sludge (solid mixed LLW) to sludge fixation facility | 1860 (liquid only) | Final State CAA permit approved; state RCRA permit expires September 27, 1997 and TSCA permit expires March 20, 1992. Site given continued authority to operate an old TSCA permit for air and normal operating capacity. Maximum capacity is 15,700 m3/yr. |
| Wastewater Treatment Facility (K-1232) | Centrifugation, neutralization, and precipitation | Liquid mixed LLW | Leachate (liquid LLW) to central neutralization facility and sludge (solid mixed LLW) to sludge fixation facility | 0.8$m^3$/hr | RCRA permit submitted May 18, 1989. Design feedrate. Facility not currently being utilized. |

Source: DOE 1994n; DOE 1995gg; OR DOE 1994a.